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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/992,413

11/18/2001

William Ho Chang

1282-011/MMM

5528

21034

7590

04/01/2009

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EXAMINER

NAWAZ, ASAD M

ART UNIT

PAPER NUMBER

2455

MAIL DATE

DELIVERY MODE

04/01/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 09/992,413	<b>Applicant(s)</b> CHANG ET AL.	
	<b>Examiner</b> ASAD M. NAWAZ	<b>Art Unit</b> 2455	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 23 January 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 131-200 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 131-200 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

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### **DETAILED ACTION**

1. This action is responsive to the RCE received 1/23/09. Claims 1-130 have been canceled. Claims 131-200 have been newly added. Accordingly, claims 131-200 are pending.

### ***Specification***

2. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: Claims 180-187 recite the limitation "computer readable medium" and "the medium" without any mention as to what it could be in the specification.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 131, 133-137, 143-200 are rejected under 35 U.S.C. 102(e) as being taught by Yacoub (US Patent No 6,452,692).

As to claim 131, Yacoub teaches a data output service system for rendering at an output device output content managed from a mobile information apparatus, the mobile information apparatus being distinct and separate from the output device, the system comprising:

means for delivering from the mobile information apparatus a document object and an output device object to a server application operated on a server over a network that is distinct from the information apparatus and the output device, the document object relating to the output content and the output device object having one or more attributes corresponding to the output device (col 2, lines 29-43; the mobile user sends a print document and the preferences to a server);

means for generating at the server with the server application device dependent output data related to the output device for rendering the output content (col 2, lines 29-53; the server automatically determines which printer of the printers on the network comply with the preferences, spools a job, and updates software/drivers) and

means for delivering the output data to the output device for rendering the output content (col 2, lines 29-43; printer prints job).

As to claim 133, Yacoub teaches the system of claim 131 in which the means for delivering the document object and the output device object to the server application includes the document object and the output device object being delivered from the mobile information apparatus to the server application.

134. (New) The system of claim 133 in which the means for delivering the output data to the output device also receives at the mobile information apparatus the output data from the server application and delivers the output data to the output device (col 4, lines 30-60).

As to claim 135, Yacoub teaches the system of claim 133 in which the output device includes a display output control unit for displaying data content (abstract).

As to claim 136, Yacoub teaches the system of claim 131 in which the output device is a printer and the output data includes one or more of an image data, a graphics data, and text data (col 2, lines 29-53).

As to claim 137, Yacoub teaches the system of claim 131 in which the mobile information apparatus is a wireless mobile information apparatus and includes one or more of a palmtop computer, a handheld computer, a laptop computer, a personal digital assistance(PDA), a smart phone, a screen phone, Internet pad, internet appliance, and a digital camera (col 12, lines 10-20).

As to claim 159, Yacoub teaches the method of claim 157 in which the generating of the output data for each selected output device includes one or more of invoking, launching, calling, utilizing, and involving one or more applications (col 2, lines 29-53).

As to claim 160, Yacoub teaches the method of claim 157 in which the generating of the output data for each selected output device includes at least partially one or more of a conversion operation and an raster image processing operation (col 2, lines 29-53).

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As to claim 161, Yacoub teaches the method of claim 157 further comprising discovering with the mobile information apparatus one or more output devices as being available for rendering the output content (col 2, lines 29-53).

As to claims 143-158 and 162-200, they contain similar limitations as the claims above and are rejected under similar rationale.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 132 and 138-142 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yacoub in view of Stewart (USPGPUB 2004/0057075).

As to claim 132, Yacoub teaches the system of claim 131 however, does not explicitly indicate means for obtaining payment information from the information apparatus as payment for the data output service provided at the output device or as payment for receiving the output data from the server.

Stewart teaches means for obtaining payment information from the information apparatus as payment for the data output service provided at the output device or as payment for receiving the output data from the server (0052).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Stewart et al into those of Tan to

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make the system more user friendly. By providing a large pool of resources to the users and letting them decide whether the fee is fair, a user friendly system can be achieved.

As to claim 138, Yacoub teaches the system of claim 132, however, Yacoub does not teach the payment information is provided automatically by the mobile information apparatus.

Stewart teaches the payment information is provided automatically by the mobile information apparatus (0052).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Stewart et al into those of Tan to make the system more user friendly. By providing a large pool of resources to the users and letting them decide whether the fee is fair, a user friendly system can be achieved.

As to claim 139, Yacoub teaches the system of claim 132, however does not teach the payment information is provided through the mobile information apparatus as entered by a user in response to a prompt to enter payment information.

Stewart teaches the payment information is provided through the mobile information apparatus as entered by a user in response to a prompt to enter payment information (0052).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Stewart et al into those of Tan to make the system more user friendly. By providing a large pool of resources to the

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users and letting them decide whether the fee is fair, a user friendly system can be achieved.

As to claim 140, Yacoub teaches the system of claim 132, however, does not explicitly indicate the payment information includes service subscriber information corresponding to a pre-arranged subscription to the data output service system.

Stewart teaches the payment information includes service subscriber information corresponding to a pre-arranged subscription to the data output service system (0052)

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Stewart et al into those of Tan to make the system more user friendly. By providing a large pool of resources to the users and letting them decide whether the fee is fair, a user friendly system can be achieved.

As to claim 141, Yacoub teaches the system of claim 140, however, does not teach correlating the data output service subscriber information with a subscriber database that stores subscriber profiles with subscription payment information.

Stewart teaches correlating the data output service subscriber information with a subscriber database that stores subscriber profiles with subscription payment information (0052).

As to claim 142, Yacoub teaches the system of claim 131, however, does not teach obtaining authentication information from the mobile information



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apparatus to authenticate permission for the information apparatus to access the data output service.

Stewart teaches obtaining authentication information from the mobile information apparatus to authenticate permission for the information apparatus to access the data output service (0018, 0046).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Stewart et al into those of Tan to make the system more secure.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ASAD M. NAWAZ whose telephone number is (571)272-3988. The examiner can normally be reached on M-F 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on (571) 272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Asad M Nawaz/  
Examiner, Art Unit 2455